KOMAROV, V.L., akademik, glavnyy red.; SHISHKIN, B.K., red. izdamiya;
BOBROV, Ye.G., doktor biol.nauk, prof.red.; VASIL'CHEMKO, I.T.,
red.; GORSHKOVA, S.G., red.; GRIGOR'YEV, Iu.S., red.; GRUBOV, V.I.,
red.: DORO MEYEV, P.I., red.; IL'IMSKAYA, I.A., red.; KLOKOV, M.V.,
red.; KUPRIYANOVA, L.A., red.; LIMCHEVSKIY, I.A., red.; MOVOPOKROVSKIY, I.V., red.; POBEDIMOVA, Ye.G., red.; POPOV, M.G., red.;
POYARKOVA, A.I., red.; SHIETMBERG, Ye.I., red.; TSVELEV, N.N., red.;
SHIRMOVA, A.V., tekhn.red.

[Flora of the U.S.S.R.] Flora SSSR. Moskva. Izd-vo Akad. nauk SSSR, 1958. 775 p. (MIRA 12:7)

1. Chlen-korrespondent AN SSSR (for Shishkin).
(Botany)

BOEROV, Ye.G., doktor biol.nauk, prof.; VASIL'CHENKO, I.T.; GORSHKOVA,
S.G.; GRIGOR'TEV, Yu.S.; GRUBOV, V.I.; DOROFETEV, P.I.; IL'INSKATA,
I.A.; KICHOV, M.V.; KUFRIYAHOVA, L.A.; LINCHEVSKIY, 1.A.;
MOVOPORROVSKIT, I.V.; ROBEDIHOVA, Ye.G.; ROPOV, M.G.; ROYAHKOVA,
A.I.; SHTEYHERRO, Ye.I.; TSVELEV, M.M.; SHISHKIN, B.K., red.
isdaniya; SMIRMOVA, A.V., tekhn.red.

[Dicotyledons] Mccetyledons. Moskva, Izd-vo Akad.nauk SSSR, 1959.
775 p. (Akademiia nauk SSSR. Botanicheskii institut. Flora SSSR,
vol.23)

(Dicotyledons)

(Dicotyledons)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

GRIGOR'YEV, Yu.S.

Methods of ecological research and the problem of organic expediency. Bot.shur. 44 no.11:1538-1545 N 159.

(MIRA 13:4)

1. Laboratoriya ekologii Instituta botaniki Akademii nauk UmSSR, g.Tashkent. (Botany--Ecology)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

ZAKIROV, Kadyr Zakirovich; GRIGOR'YEI, Yu.S., doktor biol. nauk, otv. red.; EYDEL'MAN, A.S., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Flora and vegetation of the Zeravshan Basin]Flora i rastitel'nost' basseina reki Zeravshan. Tashkent, Izd-vo Akad. nauk UzSSR. Pt.2.[Synopsis of flora]Konspekt flory. 1961. 445 p. (MIRA 15:11)

(Zaravshan Valley-Botany)

GRIGOR'YEV, Yu.S.

Historical approach to biology; some notes concerning the collection of articles "Philosophical problems in modern natural science." Bot. zhur. 46 no.12:1835-1837 D '61.

natural science." AN Uzbekskoy SSR, Tashkent.

(Biology.-Philosophy)

GRIGOR'YEV, Yu.S.

New data on the ecology of orchard grass; historical approach to biology as related to the problem of polyploidy. Bot.zhur. 47 no.1: 3-16 Ja 162. (MIRA 15:2)

1. Institut botaniki AN Uzbekskoy SSR, Tashkent. (Orchard grass) (Polyploidy)

CRIGOR YEV, Yu.S.; PAUZNER, L.Ye.

Materials on the ecology of the species of Aegileps L. Bet. shur. 48 no.5:640-660 My '63. (MIRA 17:1)

1. Institut botaniki AN Usvekskoy SSR, Tashkent.

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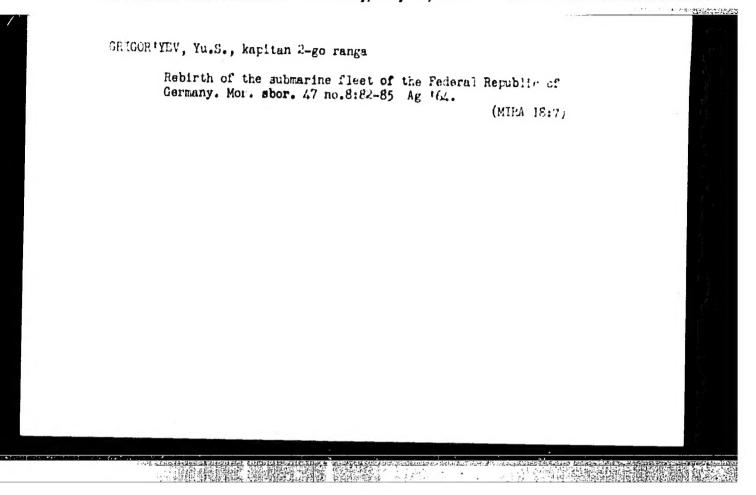
CIA-RDP86-00513R00051682

GRIGORIVEY, Vo.2. Empirical 2-go runga; MIGNAYEY, N.E., polyolkevnik

Practicing and Charleting of amphibleus operations. Mor.

(MIGN. 18:7)

abor. 47 no.4:81-88 Ap \*64.



ORIGOR YEV, YURIY VLADIMIROVICH

Sistema Knigosnabzheniya Sovetskikh Bibliotek. Moskva, Goskul 'Tprosvetizdat, 1956.

46 P. 22 cm.

At head of title: Moscow. Gosudarstvennyy Bibliotechnyy Institut.

Bibliographical footnotes.

Also available on hard copy, Z 819.G8.

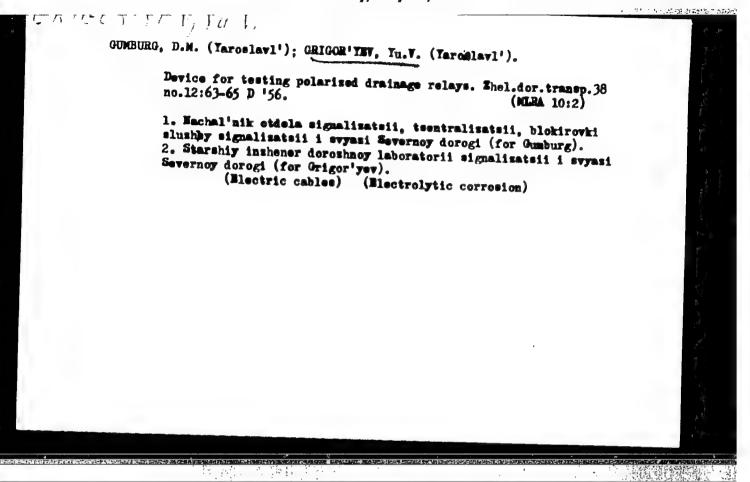
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051682(

GUMBURG, D.M., inshener (Yaroslavi'); GRIGOR'YEV, Yu.V., inshener (Yaroslavi')

Modernising the devices for protecting cables from stray currents.
Zhel.dor.transp. 37 no.12:82-83 D '55. (MIRA 9:5)

(Electric cables) (Electric currents, Vagrant)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820



GRIJOR'YHV, Tu.V.

Determining phase correlations in track circuits. Avtom., telem. 1
sviaz' no.4:31 Ap \*57. (MIRA 11:4)

1. Starshiy immener laboratorii signalizatsii i svyazi Zevernoy dorogi. (Railroads—Electric equipment)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

# "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682

Our experience using pulse track circuits. Avtom., no.5:23-24 My 157.	telen.i svinz' (MLRA 10:7)	
1. Nachal'nik otdela sluzhby eignalizatsii i svyazi (for (huburg). 2. Starshiy inzhener laboratorii sig	Severnoy dorogi malizateii i •	
.RailroadsCommunication esyst	ens)	The second second

GRIGOR'YMV, Yu.V.

Polarized drainage relay system of the Northern Pailway. Avtom., telem. 1 sviaz' 2 no.3:12-15 Mr '58. (MIRA 13:1)

l. Machal'nik laboratorii signalizatsii i svyazi Severnoy dorogi.
(Railroads--Communication systems)
(Electrolytic corrosion)

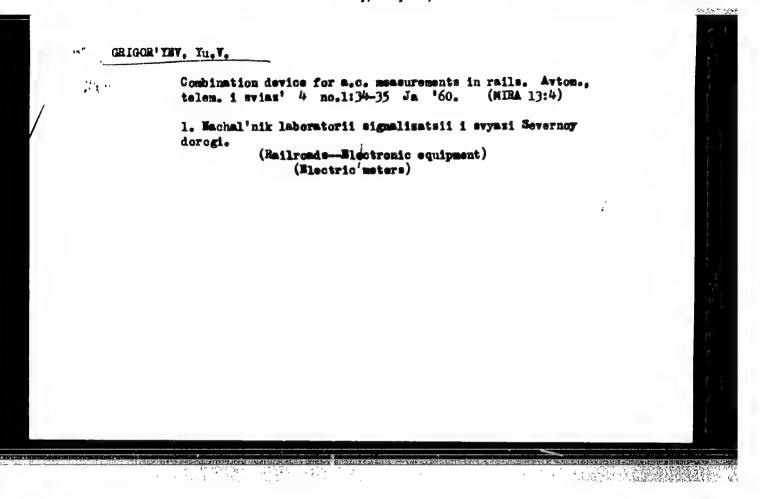
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

GUMBURG, D.M.; GRIGOR'TEV, Yu.V.

Use of eingle rail networks. Avtom.telen.i sviaz 3 no.10: 24-25 0 59. (MIRA 13:2)

1. Machal'nik otdela signalizatsii tsentralizatsii i blokirovki sluzhby signalizatsii svyazi Severnoy dorogi (for Gumberg).

(Railroads---Communication systems)



GRIGOR'YEV, Yu. V.

Device for testing hooks, straps, and safety belts. Avtom., telem. i sviaz 4 no.2:37 F 60. (MIRA 13:6)

1. Wachal'nik laboratorii signalizatsii i svyasi Severnoy dorogi.
(Blectric lines--Poles)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

14. 沙漠外。

OS-1.2 portable dry transformer. Avtom., telem.i svias' 4 no.4:
28-29 Ap '60.

1. Machal'nik laboratorii signalizatsii i svyazi Severnoy dorogi
(for Grigor'yev). 2. Starshiy inzhener laboratorii signalizatsii i
svyazi Severnoy dorogi (for Berdichevskiy).

(Mactric transformers)

GRIGOR' YEV, Yu.V.

Automatic limiting of the charging current for storage batteries in automatic block systems. Avtom., telem. 1 svias. 4 no.5:30-31 My 160. (MIRA 13:8)

1. Wachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi. (Storage batteries) (Railroads-Signaling-Block system)

## "APPROVED FOR RELEASE: Thursday, July 27, 2000

#### CIA-RDP86-00513R00051682

Portable device for testing high-voltage equipment. Avtom., telem. i sviar' 4 no. 12:23-24 D '60. (MRM 14:1)

1. Machal'nik laboratorii signalizatsii i svvazi Severnoy dorogi (for Grigor'yev). 2. Laboratoriya signalizatsii i svyazi Severnoy dorogi (for Berdichevskiy).

(Railroads--Electrio equipment--Testing)

(Railroads--Signaling--Block system)

GUMBURG, D.M.; GRIGOR YEV, Yu. Y.

Outstanding maintenance of relay interlocking devices. Avt., telem. i sviaz 5 no.1:22-23 Ja 161. (MIRA 14:3)

l. Nachal'nik otdela Spetsial'nogo tsentral'nogo byuro sluzhby signalizatsii i svyazi Severnoy dorogi (for Gumburg). 2. Nachal'nik dorozhnoy laboratorii signalizarsii i svayzi Severnoy dorogi (for Grigor'yev).

(Railroads—Signaling—Interlocking systems)

GUMBURG, D.M.; GRIGOR'YEV, Yu.V.

Brigades of construction and installation workers should be organized in railroad districts. Avtom., telem. i sviaz! 5 no.3:35-36 Mr '61. (MIRA 14:9)

Nachal'nik otdela signalizatsii, tsentralizatsii i blokirovki sluzhby signalizatsii i svyazi Severnoy dorogi (for Gamburg).
 Nachal'nik dorozhnoy laboratorii Severnoy dorogi (for Grigor'yev).
 (Railroads-Signaling-Block system)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051682(

GRIGOR' YEV, Yu. V.; BERDICHEVSKIY, TS.O., starshiy inzh.

Portable PKI\_59 kenotron device. Avtom., telem. 1 sviaz' 5 no.5:29-31 My '61. (MIRA 14:6)

1. Nachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi, vneshtatnyy korrespondent zhurnala "Avtomatika, telemekhanika i svyazi" (for Grigor'yev). 2. Laboratoriya signalizatsii i svyazi Severnoy dorogi (for Berdichevskiy).

(Electric cables—Testing)

GRIGOR YEV, Yu.V.

Regulation of a.c. and checking of the lamp filaments in automatic block systems. Avtom., telem.i sviaz: 5 no.7:30-32 Jl '61. (MIRA 14:10)

l. Nachalinik laboratorii signalizatsii i svyazi Severnoy dorogi vneshtatnyy korrespondent zhurnala "Avtomatika, telemekhanika i svyazi".

(Railroads-Signaling-Block system)

S/109/61/006/000/0027 D201/D302

9,2580 (1159,1163,1040)

AUTHORS:

Grigor'yev, Yu.V., and Khokhov, R.V.

TITLE: An oscillator parametrically coupled to a linear

network

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 10, 1961,

1617 - 1624

TEXT: A.N. Charakhch'yan (Ref. 6: ZhTF, 1936, 6, 7, 1230) investigated the parametric excitation of oscillations, at which the emf's of an external given amplitude and phase were applied to a resonance amplifier, parametrically coupled to a linear network. In the present article the regeneration introduced by the parametrically excited network into the generator is considered, the changes of the parameter being made directly not by intermediary of an amplifier, to by the oscillator itself. The analysis is carried out from the behavior of a self oscillating system with two parametrically coupled, degrees of freedom as shown in Fig. 1, in which the parametric coupling is achieved by the use of ferrite toroids. For Card 1/4/2

29307 S/109/61/006/010/004/027 D201/D302

An oscillator parametrically ...

the system equations is obtained, from which the expression for the frequency of oscillations for loose coupling is obtained as

$$(v_2 - \frac{\omega}{2})^2 \left[1 - \frac{2\delta_2}{\delta_0} - \frac{\delta_2^2}{q^2} - \frac{(v_2 - \frac{\omega}{2})^2}{q^2}\right]^2 - (\frac{2\delta_2}{\delta_0})^2 \Delta^2 = 0$$

together with the equation for 'resonance' curves

$$\eta^2 = (1 - \frac{\delta_2^2}{q^2} - y)(\frac{2\delta_2}{\delta_0} - y)^2$$

where  $q = [(A_0/4)mv_1^2]$ ,

$$\eta^2 = \left(\frac{2\delta_2}{\delta_0}\right)^2 \frac{\Lambda^2}{q^2}; \quad y = 2 \frac{2\delta_2}{\delta_0} \frac{B^2}{\Lambda^2} = 1 \cdot \frac{\Lambda^2}{\Lambda_0^2};$$

Card 2/1 6

29307

S/109/61/006/010/004/027 D201/D302

An oscillator parametrically ...

 $m = \frac{2\gamma}{L_0}; \quad = v_1 v_2; \quad v_1^2 = \frac{1}{L_0 C_1}; \quad L_0 = L + 2\beta; \quad A_0 - \text{amplitude of oscil-}$ lations of loaded oscillator;  $\triangle = v_2 - v_1/2$ ; all other symbols are the ones usually used. The stability of the system is evaluated

from the Lyapunov method. For weak regenerative coupling they take

the shape of

 $y < \frac{1}{2} (1 + \frac{\delta_2}{\delta_1}),$ 

$$y^{4} - \left(1,5 - 2\frac{\delta_{3}}{\delta_{0}} + 2\frac{\delta_{3}^{2}}{q^{3}}\right)y^{3} + \left(0,5 - 3\frac{\delta_{3}}{\delta_{0}} + 3\frac{\delta_{3}^{2}}{q^{3}} + 8\frac{\delta_{3}}{\delta_{0}}\frac{\delta_{2}^{2}}{q^{3}} - \frac{\delta_{3}^{2}}{\delta_{0}^{3}}\right)y^{3} + \left(\frac{\delta_{3}}{\delta_{0}} - \frac{\delta_{2}^{2}}{q^{3}} - 8\frac{\delta_{2}}{\delta_{0}}\frac{\delta_{2}^{2}}{q^{3}} - 4\frac{\delta_{2}^{2}}{\delta_{0}^{2}}\frac{\delta_{2}^{2}}{q^{2}} + \frac{\delta_{2}^{2}}{\delta_{0}^{2}}\right)y + 2\frac{\delta_{3}}{\delta_{0}}\frac{\delta_{2}^{2}}{q^{3}}\left(1 + \frac{\delta_{3}}{\delta_{0}}\right) > 0,$$

$$y < \frac{2}{3}\left(1 + \frac{\delta_{3}}{\delta_{0}} - \frac{\delta_{2}^{2}}{q^{2}}\right).$$
(5)

Card 3/8 6

293U7 S/109/61/006/010/004/027 D201/D302

An oscillator parametrically ...

Equation  $y < \frac{1}{2}(1 + \frac{\delta_2}{\delta_0})$  is called the amplitude stability condi-

tion, equation (5) the composite stability and  $y = \frac{2}{3} \left(1 + \frac{\delta_2}{\delta_0} - \frac{\delta_2^2}{q^2}\right)$ 

the frequency stability condition; they are analyzed as boundaries between the domains of stable and unstable states on the plane of resonance curves. The equation for the stability limit of the composite condition is thus obtained as

$$\eta^{2} = \frac{3(y-1)\left(y-\frac{2}{3}\right)\left[(y-0.5)\left(y-\frac{2\delta_{3}}{\delta_{0}}\right)+\frac{\delta_{3}^{2}}{\delta_{0}^{2}}\right]}{(y-0.5)\left[-2y(y-1)+8\frac{\delta_{3}}{\delta_{0}}(y-0.5)-4\frac{\delta_{2}^{2}}{\delta_{0}^{2}}\right]}\left(\frac{2\delta_{4}}{\delta_{0}}-y\right)^{2}}$$
(6)

and the same for the frequency condition as

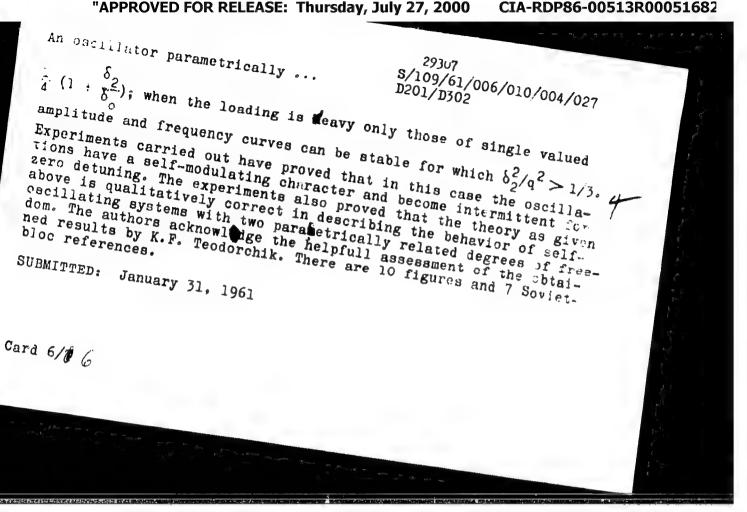
$$\eta^2 = \frac{1}{2} \left( y - \frac{2\delta_2}{\delta_0} \right)^3.$$
(7)

Card 4/1 6

s/109/61/006/010/004/027 D201/D302 The boundary of the amplitude stability condition is a straight line intersection the boundary of frequency conditions when  $2\delta_2/\delta_0$ An oscillator parametrically ... 2/3. The Stubility of the Oscillator has also been considered as a function of the loading: slight, medium and heavy. For a medium of frequency and amplitude with a changed tuning of partial frequency and amplitude with a changed tuning of frequency and Of frequency and amplitude with a changed tuning of partial frequency and frequency and frequency and quencies for instance, takes place at the points of frequency and quencies for instance, takes place at the tense curves is vertical.

The amplitude curves, at which the tangent to these curves is vertical.

The amplitude curves, at which the tangent to the boundary when the loading is weak, there is a closed loop of the boundary when the loading is weak, there is a closed loop of the boundary. loading of the oscillator at 1 Ith vertical tengents can be reached only for  $\delta_2^2/q^2$ , someloop and this results in that with 1 -Is caller than  $1 - \frac{2\delta_2}{\delta_0}$  and for  $\delta_2^2/q^2$ , only slightly larger than Card 5/0 6



S/803/62/000/003/002/012 D201/D308

AUTHORS:

Grigor'yev, Yu.V. and Kuvshinnikov, B.A.

TITLE:

Pulsed control of the reactor power

SOURCE:

Noscow. Inzhenerno-fizicheskiy institut. Avtomatika i telemekhanika, no. 3, 1962. Sistemy upravleniya yadevnymi energeticheskimi ustanovkami. 16-21

TEXT: The authors give a short comparative analysis of the operation and of results obtained in reactor power control using sampled-data controllers with pulse-width modulation of the error signal  $\mathcal{E}(t)$  and of a proportional integrating system of continuous control. The controlled object was a graphite moderated uranium reactor with an average life-time of thermal neutrons of  $4.25 \times 10^{-4}$  sec and zero reactivity temperature coefficient. Transients were analyzed using the Laplace transform method. The results have shown that 1) the transients calculated from the sampled-data system correspond exactly to those of the continuous system calculated by the log amplitude method. 2) With proper choice of the modulating fre-Card 1/2

Pulsed control of the reactor power

S/803/62/000/003/002/012 D201/D308

quency (f<sub>0</sub> - 2 c/s) the dynamic characteristics obtained from the sampled data system are better than those obtained with a continuous system. 3) The modulation frequency substantially affects the dynamic characteristics of the sampled-data system. The main design difficulty is in the construction of contactless pulse-width modulators having a low pulse repetition rate (a few per second) and a high input resistance (of the order of a few megohms). The design of such modulators is now in its final stages at the HIFI. There are 4 figures.

Card 2/2

GUMBURG, D.M.; GRIGOR'YEV, Yu.V.

Remarks on semiautomatic block system layouts. Avtom., telem. 1 svias' 6 no.7:36-37 J1 '62. (MIRA 16:2)

l. Nachal'nik otdela singalizatsii, tsentralizatsii i blokirovki Severnoy deregi (for Gumburg). 2, Nachal'nik doroshnoy laboratorii signalizatsii i svyasi, vneshtatnyy korrespendent shurnala "Avtomatika, telemekhanika i svyasi" (for Raul Grigor'yev). (Railroads-Signaling-Block system)

。)· 情性重要,《 解論》( 資數 11 g x b

GRIGOR'YEV, Yu.V.; MILYUKOV, Yu.A.

Transistorised PPSh-62 Sev converter. Avtom., telem.i svins' 6 (MIRA 15:11) no.11:40-41 N '62.

1. Nachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi (for Grigor'yev). 2. Starshiy elektromekhanik laboratorii signalizatsii i svyazi Severnoy dorogi (for Milyukov).
(Railroads—Electronic equipment) (Electric current converters)

化基础性 医环糖 国籍 对代表

GRIGOR'YEV Yn V

Reaction of parametrically excited systems on a parameter changing self-oscillator. Radiotekh. i elektron. 7 no.10:1838-1841 0 162. (MIRA 15:10)

(Oscillators, Electron-tube)

S/109/63/008/003/020/027 D271/D308

AUTHOR:

Grigor'yev, Yu. V.

TITLE:

Theory of an oscillator with two parametrically

connected degrees of freedom

PERIODICAL:

Radiotekhnika i elektronika, v. 8, no. 3, 1963,

506-510

TEXT: An oscillator with two degrees of freedom is analyzed in which the basic circuit resonates at half-frequency. Feedback oscillations excited in the loading circuit modulate the reactive parameter of the oscillator. The principle of operation of the system is shown in two varients with inductive or capacitative parametric coupling. The system with inductive coupling is described by

 $X_1 = A \cos(v_1 t + \varphi), \quad X_2 = B \cos(2v_1 t + \psi),$ 

Card 1/3

S/109/63/008/003/020/027 D271/D308

Theory of an oscillator ...

where A, B,  $\phi$ , and  $\psi$  are slowly varying time functions, and  $x_1$ ,  $x_2$  are voltages on capacitors in the oscillator and loading circuits. By analogy with the author's previous work (Radiotekhnika i elektronika, v. 6, no. 10, 1961, 1617), a system of simplified equations is obtained for Å, B,  $\phi$ , and  $\psi$ , and an expression for  $\dot{\phi}$  where  $\dot{\phi}=2$   $\phi-\psi$ . In stationary conditions, A, B,  $\dot{\phi}$  are constant and  $\phi$ ,  $\psi$  represent the frequency shift due to the reaction of the loading circuit on the oscillator. For class A operation, equations are derived for the oscillation frequency and for the resonance curves. A set of amplitude and frequency curves is drawn, and stability factors are shown for various coupling factors. Using Lyapunov's method, stability limits are graphically analyzed, and conditions are discussed in which various modes of operation are possible. An expression and a graph are given for the frequency stabilization factor, and it is pointed out that the systems considered provide additional possibilities of frequency stabilization,

Card 2/3

Theory of an oscillator ...

S/109/63/008/003/020/027 D271/D308

besides the widened tuning range. The author acknowledges the assistance of R. V. Khokhlov. There are 3 figures.

SUBMITTED: July 26, 1962

Card 3/3

GRICOR'YEV, Yu.V.

Nonsteady modes in parametric excitation of oscillations.
Radiotekh. i elektron. 9 no.10:1886-1889 0 '64.

(MIRA 17:11)

## "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682

GRIGOR'YEV, Yu.V.

PPV-3a transistorized converter-rectifier. Avtom., telem. i
svinz' 8 no.10:24-27 0 '64. (MIRA 17:11)

1. Nachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi.

GRIGOR'YEV, Yu.V.

Semiconductor converter-rectifiers for supplying power to rectifier track circuits. Avtom., telem. i sviaz 8 no.12:28-29 D 64.

(MIRA 18:1)

1. Nachal'nik laboratorii signalizatsii i svyszi Severnoy dorogi.

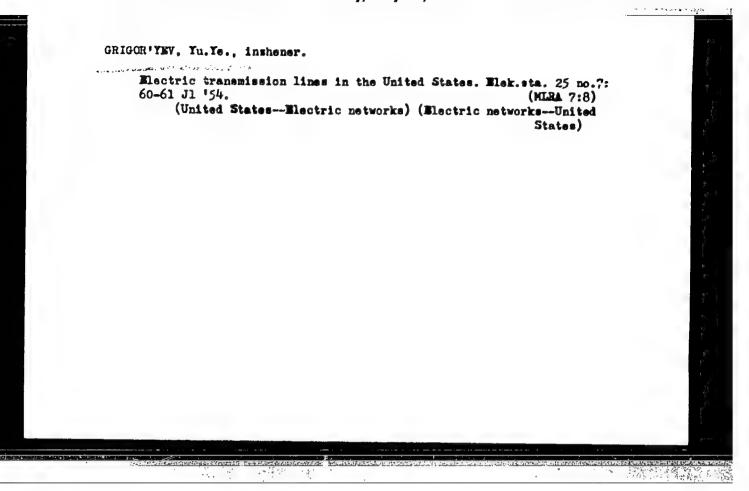
L 04517-57 ENT(1) SOURCE CODE: UR/0141/66/009/005/0932/0941 ACC NR: AP6033287 AUTHOR: Grigor'yev, Yu. V.; Rudenko, V. K.; Khokhlov, R. V. ORG: Moscow State University (Moskovskiy gosudarstvenny universitet) TITLE: Theory of an optical parametric oscillator SOURCE: IVUZ. Radiofizika, v. 9, no. 5, 1966, 932-941 TOPIC TAGS: nonlinear optics, parametric amplifier, harmonic generation, frequency conversion . resonator ABSTRACT: Parametric excitation of oscillations in a Fabry-Perot-type resonator which is filled with an optically transparent nonlinear medium with quadratic polarizability was analyzed as a single-mode approximation. Primary attention is given to the behavior of a system when the phase matching of modes interacting in the cavity is disturbed and the resonant and parametric frequencies are dissimilar. A condition for excitation of oscillations is derived and the stationary states and their stability are analyzed. A comparison of parametric oscillations is made for systems with distributed and lumped parameters. Orig. art. has: 7 figures and 26 formulas. SUB CODE: 20/ SUBM DATE: 17Jan66/ ORIG REF: 009/ OTH REF: 007/ ATD PRESS: 5100 UDC: 621.373.93:621.378.001:621.372.413 Card 1/1 1/

GRIGOR'YEV, Yu. Ye. Eng.; KOMIJ NROV, B. I., Eng.

Lightning Arresters

Installing a lightning protective cable on an operating, 35 KV two circuits transmission line. Rab. energ. 2 No. 6, 1952.

1952



GRIGOR YEV, YU.E.

AID P - 1621

Subject

: USSR/Engineering

Card 1/2

Pub. 29 - 3/23

Author

: Grigor'yev. Yu. E., Eng.

Title

Machinery used in construction of electric power

transmission lines

Periodical: Energetik, 1, 6-9, Ja 1955

Abstract

: In building an electric power transmission line, experience has taught that for successful accomplishment

of the task a very careful choice in using proper

machinery should be exerci ed. The efficient construction

of bases for towers, the erection of towers, the stringing of wires, the handling of auxiliary equipment and moving the machinery from place to place require proper selection of correct excavating machines, and ditch-digging or boring machines, depending on location-topography, climate and other circumstances. The rightsize cranes, pumps, dump-trucks, and similar equipment

# "APPROVED FOR RELEASE: Thursday, July 27, 2000

### CIA-RDP86-00513R00051682

Energetik, 1, 6-9, Ja 1955

AID P - 1621

Card 2/2 Pub. 29 - 3/23

should be according to requirements.

Institution: None

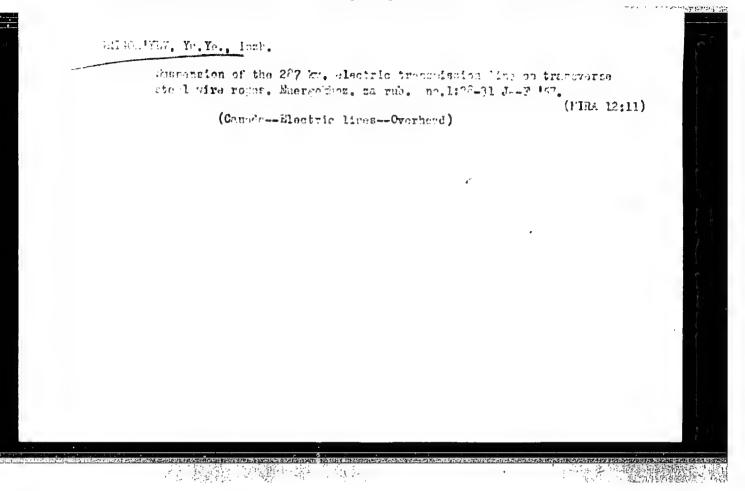
Submitted : No date

GRIGOR'TEV, Yuriy Yevgen'yevich; GUL'IMMBAL'E, Vadim Vladimirovich; LEVITARIY, Mehttantin Komstantimovich; ROKOTYAN, S.S., redakter; GORTIHSKIY, S.M., redakter; VORONIN, K.P., tekhnicheskiy redakter.

[Genetruction of the Seviet Unions's first long distance 400 kilevelt electric transmission line] Stroitel'stve pervoi v Sevetskom Seiuse dal'nei elektroperedachi 400 kv.Pod red. i prediel. S.S.Reketiana. Moskva, Gos.energ.izd-ve, 1956.

105 p. (MIRA 10:6)

(Bleetric lines)



SOV/112-58-2-2101

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, pp 50-51 (USSR)

AUTHOR: Grigor'yev, Yn. Ye.

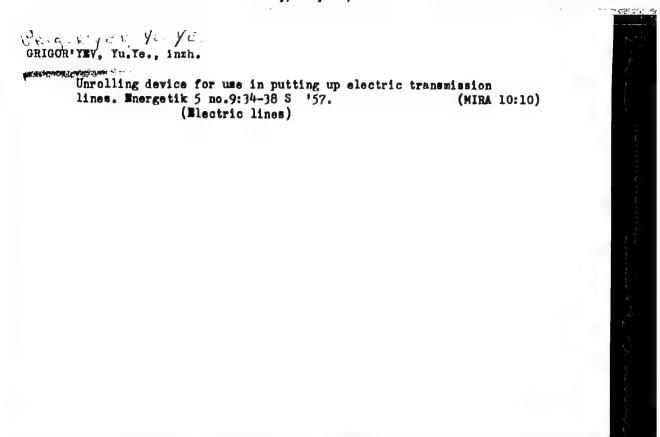
TITLE: Glass Insulators for Electric Transmission Lines (Steklyannyye izolyatory dlya liniy elektroperedachi)

PERIODICAL: Energokh-vo za rubezhom, 1957, Nr 1, p 51

ABSTRACT: Many grades of glass that have good electric strength do not meet the requirements of mechanical and thermal durability. However, these characteristics can be much improved by hardening the glass, which does not change its insulating properties. The strength of glass insulators under surface flashover conditions is twice that of procelain insulators. A peculiar feature of a glass insulator is that damage to the hardened layer completely destroys the insulator. In this case, the insulator head remains between metal parts while the insulator string keeps carrying a mechanical load, this fact permitting the abelition of the routine buzz stick insulator check and the restriction of checking to simple inspection from the ground.

A.L.V.

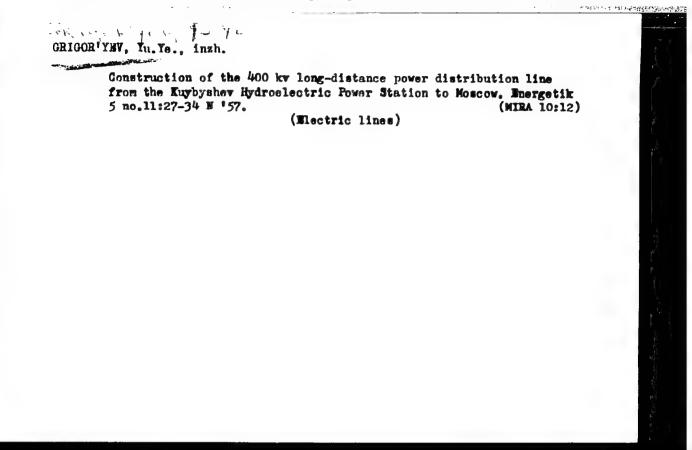
Card 1/1



ORIGORIYEV, Tu.Te., insh.

Stand for testing the uprights of power lines (from "The Engineer." 202, no.5263, 1956). Energokhos. za rub. no.5140-41 S-0 '57. (MIR. 13:6)

(Great Britain—Electric lines—Poles)



ORIGOR'YEV, Yu.Ye., insh.

Prestressed reinforced concrete poles for 110ky lines (from "Electrical World," 147 no.2 1957). Elek.sta. supplement no.6:36-38 N-D '57.

United States-Electric lines-Poles)

(MIRA 11:2)

SOV/112-59-2-2794

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 2, pp 73-74 (USSR)

AUTHOR: Achkasov, D. I., and Grigor'yev, Yu. Ye.

TITLE: Constructing the Kuybyshev-Moscow 400-kv Electric Transmission Line (Stroitel'stvo elektroperedachi 400 kv Kuybyshevskaya GES-Moskva)

PERIODICAL: V sb.: Energ. str-vo SSSR za 40 let. M.-L., Gosenergoizdat, 1958, pp 373-380

ABSTRACT: The Kuybyshev-Moscow transmission line is the first member of the united high-voltage network of the USSR. Among transmission lines of this class, the first 380-kv 954-km single-circuit line was put in operation in Sweden in 1952; the second line is the Kuybyshev-Moscow (1956) 400-kv 900-km line. The latter consists of two circuits with three switching stations and a 480-Mva capacitive compensation. The transmission-line circuits terminate at receiving substations. Each substation has four banks of 400/110/11 and 220/110/11-kv transformers; provision is made for eventual installation of

Card 1/2

SOV/112-59-2-2794

Constructing the Kuybyshev-Moscow 400-kv Electric Transmission Line

synchronous condensers. A 400-kv interconnection is built between the substations; this is part of the future Moscow 78-km ring. The total length of 400-kv lines is 1,783 km. The substations are connected at 110 and 220 kv with the Moscow system. In building the transmission lines, the following work was done: 3,400,000 m³ of earth excavated, 320,000 m³ of concrete laid, 4,365 towers erected, 62,700 tons of metal structures installed, and 32,500 tons of conductors and grounding wires spanned. In the course of construction, the following items were built: an 883-km communication line, workers' settlements around the substations and switching stations, including clubs, schools, etc., totaling 32,000 m² of floor area; about 100 km of temporary railroad track and side lines, etc. The construction was peculiar in its new tower designs, their foundations, new types of line hardware, new types of insulators, use of the split phase, etc. Crossing of the Usa-River reservoir by the transmission line was particularly difficult (70-m, 320-ton towers, 1,140-m span, etc.).

F.F.V.

Card 2/2

## "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682

GRIGOR'YEV, Yu.Ye., inzh.

Testing of tee connectors (from "Power Apparatus and Systems,"

no. 26, 1956). Energokhoz.za rub. no.6:34-36 E-D 158.
(HIRA 12:4)

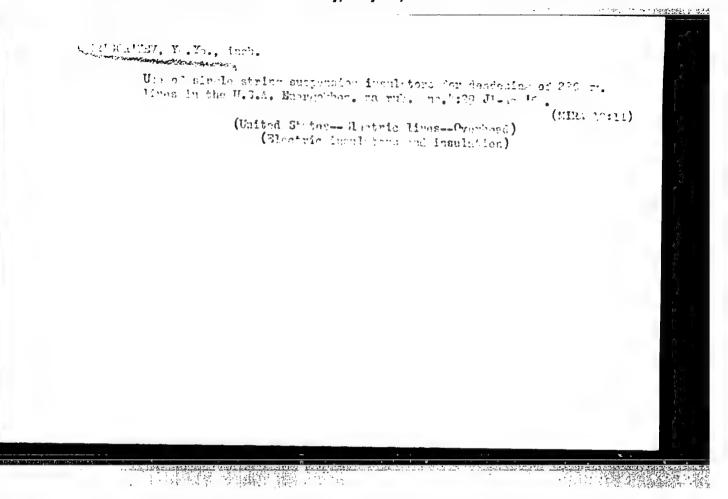
(United States -- Mlectric contactors -- Testing)

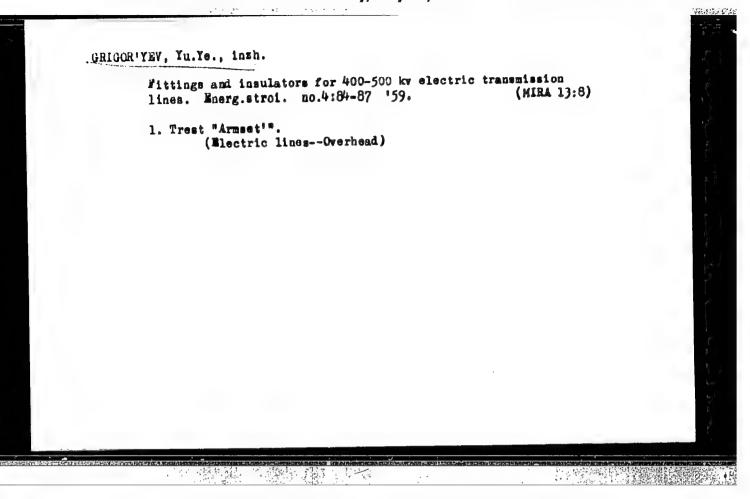
GRIGOR'YEV, Yu.Ye., inzh.

Problems of dasign and construction of electric transmission
Problems in Canada. Energokhoz.za rub. no.4:20-24 J1-4g 159.

(Ganada-Electric lines)

(Ganada-Electric lines)





### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682

GRIGOR'YEV, Yu.Ye., inzh.

Silicon coatings are used in U.S.A. to protect insulators from becoming dirty. Energokhos. sa rub. no.5:32-35 S-0 '59.

(MIRA 13:2)

(United States--Electric insulators and insulation)
(Protective coatings) (Protective coatings)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

8(3)

SOV/91-59-5-25/33

AUTHOR:

Grigor'yev, Yu.Ye., Engineer

TITLE:

A Miniature Line Insulator

PERIODICAL:

Energetik, 1959, Nr 6, pp 33-34 (USSR)

ABSTRACT:

This is a short description of a new FM-4.5 insulator, mass-produced by the trust "Armset'". The new small-size insulator is a modification of the P-4.5 insulator but has reduced height (140 mm instead of 170 mm) and weight (5.6 kg instead of 6.5 kg). The PM-4.5 insulator is made of electrotechnical porcelain and has a forgeable cast iron cap. According to the Tep-loelektroproyekt, the insulator PM-4.5 can be used in chains, having a number of elements equal to those of the P-4.5 insulator, provided that the reduction of impulse strength of 110-220 kv lines is within admissible limits. The new insulator matches the

Card 1/2

requirements of GOOT 6493-53 for P-4.5 type insulators.

A Miniature Line Insulator

SOV/91-50-6-25/33

Chains of 7 and 14 PM-4.5 insulators have a wet-discharge voltage satisfying the requirements of GOST 6490-53. However, until the completion of testing of voltage distribution on chains made up of both abovenamed insulators, no such simultaneous use of them in the same chains should be made. Thus, should a chain using P-4.5 insulators have some defective insulators, it is recommended to have the whole chain with those insulators replaced by a chain with FM-4.5 insulators. There is 1 diagram.

Card 2/2

DUTKIN, G.S.; CHUKHOV, S.P.; GRIGOR'YEV, Yu.Ye., red.; IGLITSYN, I.L., red.; BORUNOV, N.I., tekhn.red.

[Equipment and regulations for the erection of 35 to 500 kv. electric power transmission lines] Montazhnye prisposobleniis i ukazaniia po montazhu provodov linii elektroperedachi 35 - 500 kv. Moskva, Gos.energ.izd-vo, 1960. 46 p.

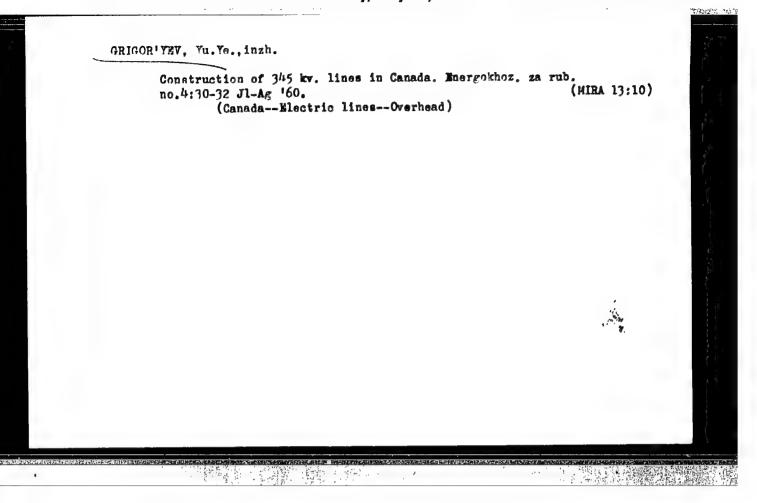
(MIRA 14:1)

1. Armset<sup>†</sup>, trust, Moscow.
(Electric lines)

GRIGOR'YEV, Yu. Ye., inzh.

Supports of electric power transmission lines with a single foundation. Energokhoz. za rub. no.2:44-45 Mr-Ap '60.

(MIRA 13:6)



GRIGGR'YEV, Tu.Te., insh.

Suspension insulators made from hard glass. Energetik 8
no. 12:4-6 D '60.

(Electric insulators and insulation)

(Electric lines--Overhead)

DUTKIN, G.S.; ROSHCHIN, P.I.; CHUKHOV, S.P.; GRIGOR'YEV, Yu.Ye., red.; PRILEPSKAYA, V.D., tekhn. red.

[Equipment of 35 to 500 kv. outdoor electric power distribution installations] Armatura otkrytykh raspredelitel'nykh ustroistv 35-500 kv. Moskva, 39 p. (MIRA 14:9)

l. Moscow. Nauchno-issledovatel'skiy institut elektropromyshlennosti.
TSentral'noye byuro tekhnicheskoy informatsii.
(Electric power distribution—Equipment and supplies)

ASTAKHOV, N.P., inzh.; GRIGOR'YEV, Yu.Ye., inzh.; SKOEELEV, S.A., inzh.

Goncerning a certain method for repairing operating electric power transmission lines. Elektrichestvo no.7:86 Jl '62.

(MIRA 15:7)

(Electric lines—Overhead)

ASTAKHOV, N.P., inzh.; GRIGOR'YEV, Yu.Ye., inzh.; SKOBELEV, S.A., inzh.

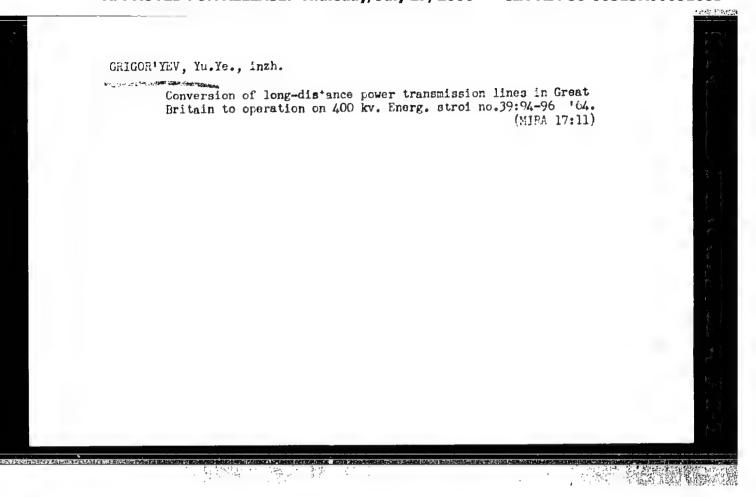
Letter to the editor. Elek. sta. 33 no.4:89 Ap '62.

(MIRA 15:7)

(Electric lines—Overhead)

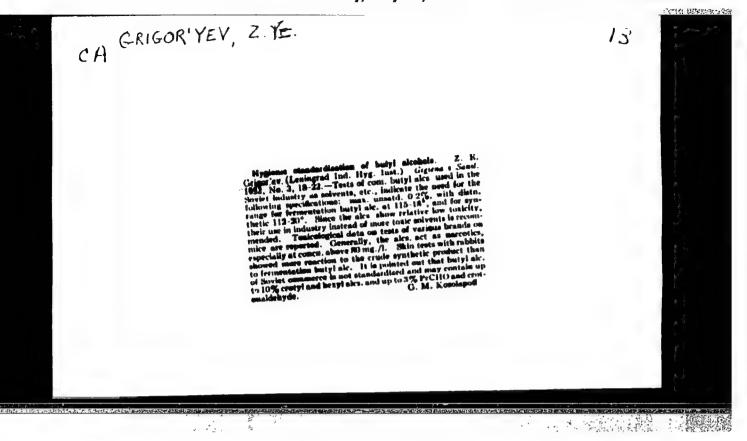
GRIGOR'YEV, Yuriy Yevgen'yevich; ZIL'HERMAN, Rafeil Isaakovich; KOSHKAROV, Boris Vladimirovich; MERMAN, Isaak Abramovich; REUT, Mikhail Antonovich; FAYERMAN, A.L., red.; BUL'DYAYEV, N.A., tekhn. red.

[Handbook on the construction of electric power transmission lines] Spravochnik po stroitel'stvu linii elektroperedachi. Pod obshchey red. A.D.Romanova. Moskva, Gosenergoizdat, 1963. 488 p. (MIRA 17:1) (Electric lines-Overhead)



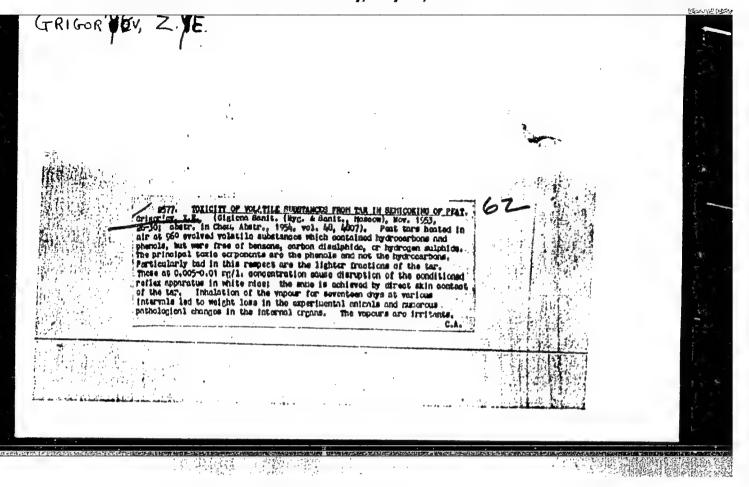
MIRONOV, Vadim Vital'yevich; CE'SLISTYY, K.G. [Huslistyi, K.H.], doktor ist. nauk prof., otv. red.; CRIGOR'YEV, Yu.Ye. [Hryhor'iev, IU.JE.], red.

[Culture and mode of life of miners in the Soviet Ukraine] Kul'tura i pobut hirnykiv Radians'koi Ukrainy. Kyiv, Nau-kova dumka, 1965. 124 p. (MIRA 18:10)



## "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682



#### GRIGOR'YEV, Z.Ye.

Toxicity of volatile tar in semicoke production from Chernkhovsk coal and its fractions. Gig. sanit., Moskva no. 1:34-37 Jan 1953. (GIML 24:2)

1. Of Leningrad Scientific-Research Institute of Labor Hygiene and Occupational Diseases.

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GRINBERG, A.V.; GRIGOR'YEV. Z. kandidat meditsinskikh nauk, direktor; KOVNATSKIY, M.A., professor, zamestitel direktora po nauchnoy chasti.

Penetrability by X-rays of inhaled dust and its significance for radioscopic diagnosis of pneumoconiosis. Vest.rent. i rad. no.3:26-31 My-Je 153. (MLMA 6:8)

1. Leningradskiy nauchno-issledovatel'skiy institut gigiyeny truda i profsabolevaniy. (Diagnosis, Radioscopic) (Lungs--Dust diseases)

GRIGOR'YEV, Z.Ye.

Toxicity of volatile substances in tar in semicoking peat. Gig. sanit.,
Moskva no.11:26-30 Nov 1953. (CIML 25:5)

1. Of Leningrad Institute of Labor Hygiene and Occupational Diseases.

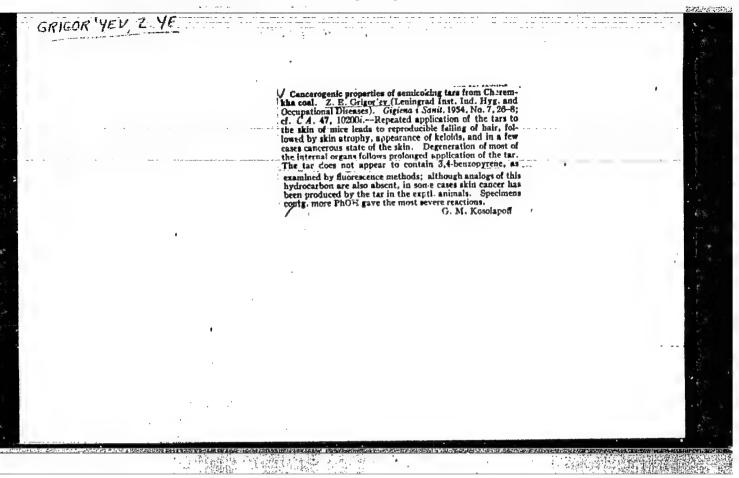
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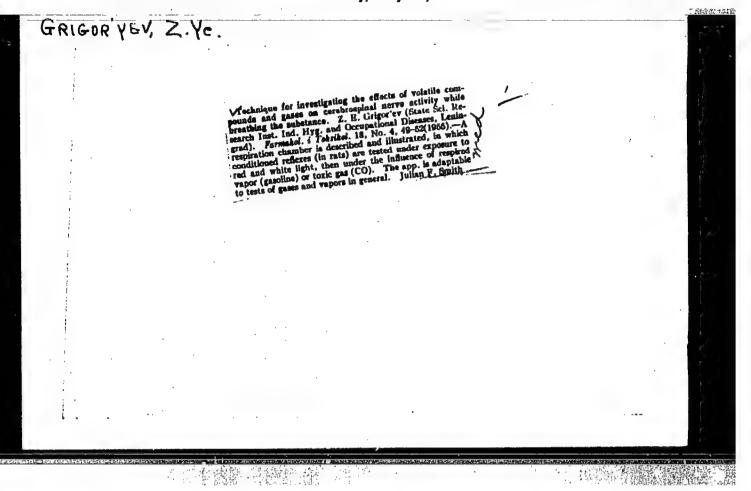
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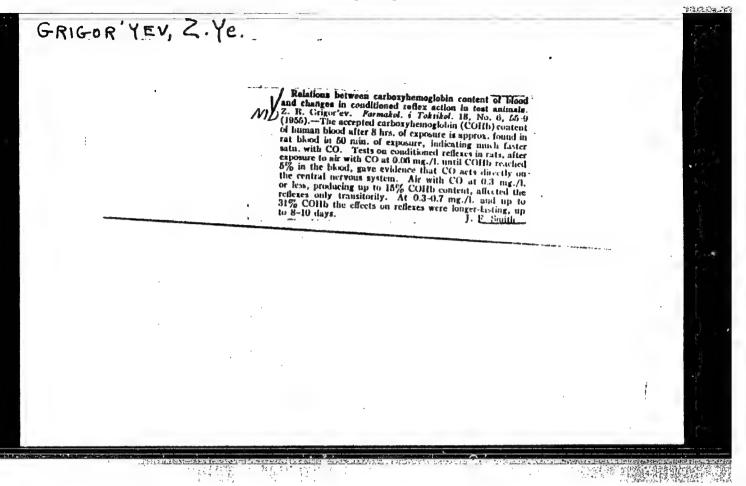
LEVIN, V.M., kandidat meditsinskikh nauk; FRIDLYAND, I.G., professor, konsul'tant; GRIGOR'YEV, Z.E., kandidat meditsinskikh nauk, direktor; KOVNATSKIY, M.A., professor, samestitel' direktora po nauchnoy chasti.

Certain clinical characteristics of peptic ulcer in adolescents. Vop.pediat. 21 no.4:40-44 J1-Ag '53. (MLRA 6:10)

- 1. Otdel rabochego podrostka Leningradskogo gosudarstvennogo nauchno-issledovatel'skogo instituta gigiyeny truda i profsabolsvaniy (for Fridlyand).
- 2. Leningradskiy gosudarstvennyy nauchno-issledovatel'skiy institut gigiyeny truda i profsabolevaniy (for Grigor'yev and Kovnatskiy). (Ulcers)







Name: GRIGGR'YEV, Z. E.

Dissertation: Industrial hygiene in the production of synthetic liquid

fuel

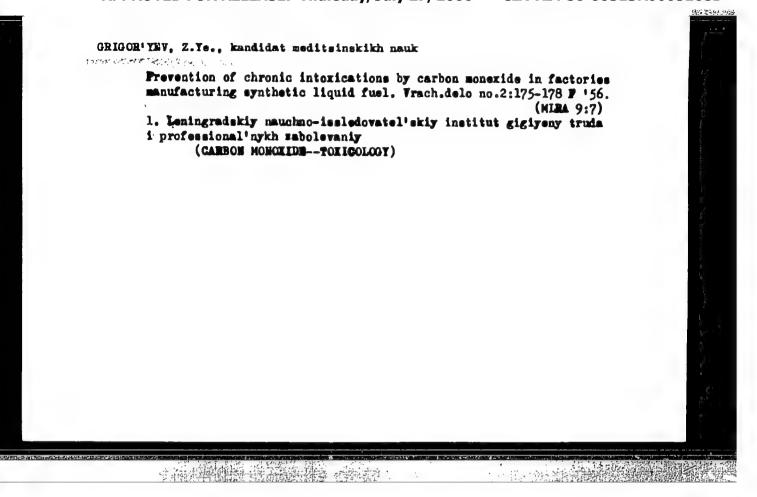
Degree: Doc Med Sci

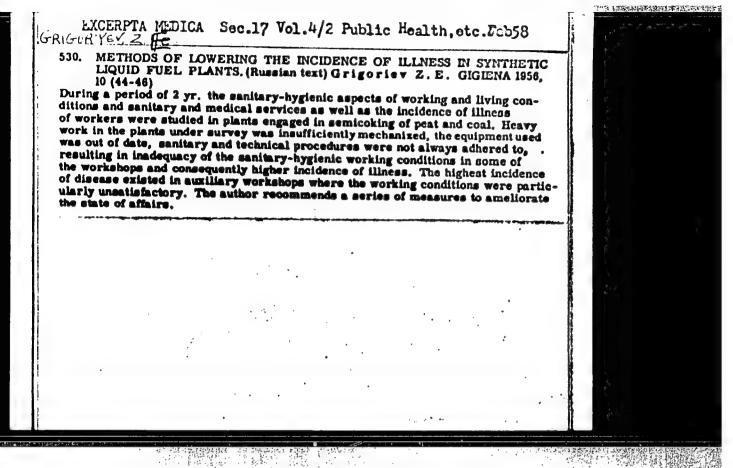
en: State Order of Lenin Inst for the Advanced Training of

Physicians imeni S. M. Kirov

Date, Place: 1956, Leningrad

Source: Knizhnaya Letopis , No 51, 1956





GRIGOR'YEV, Z.E., red.

[Transactions of the jubiles session devoted to the 30th anniversary of the Institute of Industrial Hygiene and Occupational Diseases] Trudy imbileinoi nauchnoi sessii. posviashchennoi 30-letnei deistel'nosti instituta, 1924-1954. Leningrad, 1957. 508 p. (MIRA 12:6)

1. Leningrad. Institut gigiyeny truda i professional nykh sabolevaniy.

(IMDUSTRIAL HYGIMME) (IMDUSTRIAL MEDICIME--RUSSIA)

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### GRIGOR'YEV, Z.E. (Leningrad)

Hygienic rating of benzine produced by hydrogenation of coal. Gig.truda i prof.zab. 1 no.2:34-37 Mr-Ap 157. (MIRA 10:6)

1. Is tokuikologicheskoy laboratorii Leningradskogo instituta gigiyeny truda i profsabolevaniy.

(BENZIME--GASOLIME)

Possibility of using synthetic "Galosha" as gasoline. Form. i toke.

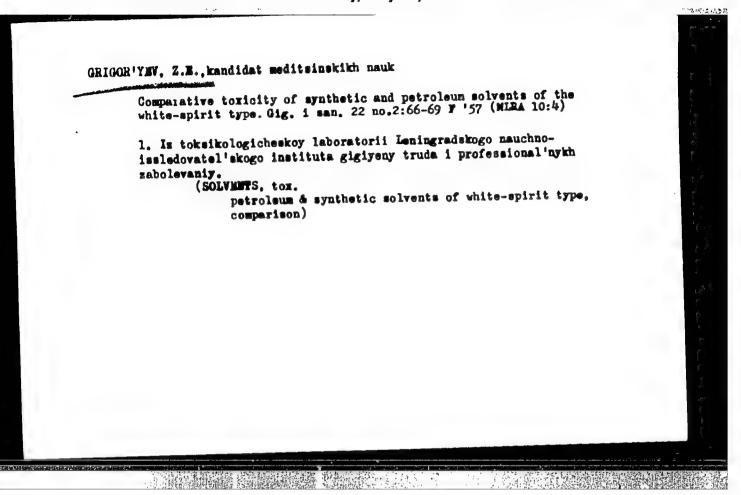
20 no.4178-83 Jl-Ag '57.

1. Toksikologicheskuya laboratoriya (rukovoditel' - doktor biologicheskikh nauk I.D. Gadaskina, konsul'tant - zasluzhennyy dayatel'
nauki prof. N.V. Lessray) Gosudarstvennogo nauchno-issledovatel'skogo
instituta gigiyeny trub i profasboleveniy.

(SUMENTS.

synthetic gasoline (Rus))

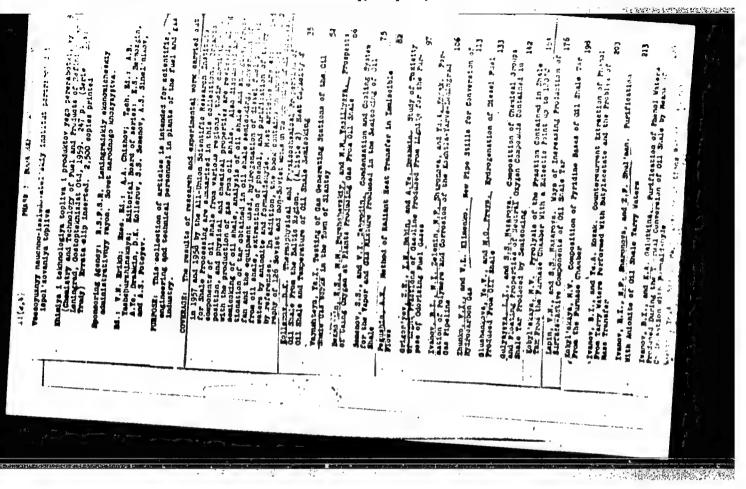
(PHTROLEUM PRODUCTS,
zynthetic gasoline, use as solvent (Rus))



ぶっという イルツ

"Toxicological Characteristics of Ligroins 18-213 and LV-2,"
Z. E. Origor'yev, a Candidate of Medical Sciences, Toxicological Laboratory, Leningrad Scientific-Research Institute of Labor Hygiene and Occupational Diseases, Gigiyena i Sanitariya, Vol 22, No 5, May 57, pp 86-88

Experiments were conducted on rabbits to determine the toxicity of Ligroin IS-213 obtained from petroleum ligroin by thorough hypochlorite purification, and Ligroin LV-2, obtained from heavy alkylates at temperatures of 158-180 degrees. The vapors of both ligroins were found to be
middly irritating to the mucous membrane of the upper respiratory organs.
Continuous exposure to the vapors of ligroins caused loss of appetite
and emaciation in white mice. Experiments on white rats established
the threshold of allowable concentration of the vapors of ligroins in
the air at 2 milligrams per liter. In these concentrations the vapors
of the ligroins produced disturbances in the functions of the higher
nervous system. Ligroin IS-213 was found to be more toxic than Ligroin
LV-2. Skin affections were caused by both. (U)



ORIGOR'YEV, Z.E.; RABIH, I.M.; IRABKIH, A.Ye.

Investigating the toxicity of light fractions of natural lighte gesoline (the Shehekino plant) used for the orderisation of fuel gases. Trudy VNIIT no.8:92-105 159.

(Gasoline-Toxicology)

(Gasoline-Toxicology)

Toxic effect of the so-called "heavy tar" from Cherenkhov coal.

Oig. 1 san. 24 no.3:33-37 Mr '59. (MIRA 12:5)

1. Iz Leningradskogo nauchno-isələdovatel'skogo instituta
gigiyeny truda i professional'nykh zabolevaniy.

(COAL TAR, toxicity

(Rus))

GRIGOR'YEV, Z.E. (Leningrad)

Cancerogenic action of the so-called "medium oil" derived from Cheremkhov coal tar. Gig. truda i prof. zab. 4 no.1:32-35 Ja '60. (MIRA 15:3)

1. Institut gigiyeny truda i professionalnyku zabolevaniy, Leningrad.

(CARCINOGENS)
(COAL TAR--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

GRIGOR'YEV, Z.E.

Use of the conditioned reflex method for toxicological purposes. Farm.i toks. 23 no.1:84-87 Ja-F '60. (MIRA 14:3)

1. Toksikologicheskaya laboratoriya (rukovoditel' - prof. I.D. Gadaskina, konsul'tant - zasluzhennyy deyatel' nauki prof. N.V. Lazarev) Gosudarstvennogo nauchno-issledovatel'skogo instituta gigiyeny truda i profsabolevaniy (Leningrad).

(TOXICOLOGY) (CONDITIONED RESPONSE)

GRIGOR YEV, Z.Ye., doktor meditsinskikh nauk

Toxicological characteristics of liquid wastes of tar paper production. Gig.i san. 25 no.7:31-36 Jl '60. (MIRA 14:5)

1. Iz toksikologicheskoy laboratorii Leningradskogo nauchnoissledovatel'skogo instituta gigiyeny truda i professional'nykh zabolevanyy.

(AIR--POLLUTION) (CARCINGENS)

### GRIGOR'YEV, Z. E. (Leningrad)

Toxicological characteristics of hydrogenate of kerosene-gas oil fractions. Gig. truda i prof. zab. no.12:47-48 '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy institut gigiyeny truda i profzabo-levaniy.

(PETROLEUM PRODUCTS\_\_TOXICOLOGY)

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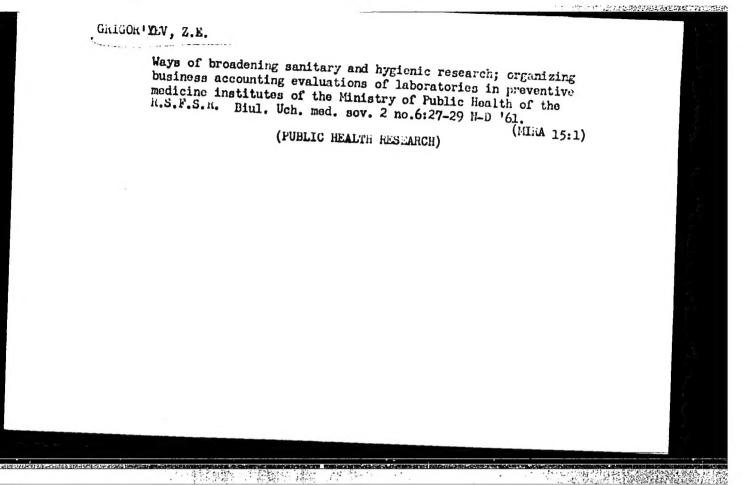
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CIA-RDP86-00513R00051682

GRIGOR'YEV, Z.E., kand.med.nauk

Planning the research activities in the institutes of the Ministry of Public Health of the R.S.F.S.R. Blul. Uch. med. sov. 2 no.1: 12-15 Ja-F '61. (MIRA 14:10)

(PUBLIC HEALTH RESTARCH)



1972

ABRAMOVA, Zh.I.; BRUSILOVSKAYA, A.I.; GADASKINA, I.D.; GOLUBEV, A.A.;
GRIGOR'YEV, Z.E.; DANISHEVSKIY, S.L.; KOVNATSKIY, M.A.; KOYRANSKIY, B.B.;
LAZAREV, N.V.; LEVINA, E.N.; LYUBLINA, Ye.I.; LYKHINA, Ye.T.; OSIPOV,
B.S.; RYLOVA, M.L.; RUSIN, V.Ya.; SLONIM, A.D.; FRIDLYAND, I.G.

Il'ia Stepanovich Aleksandrov. Farm.i toks. 24 no.1:127 Ja-F '61.
(MIRA 14:5)

(ALEKSANDROV, IL'IA STEPANOVICH, 1902-1960)